

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003907.D
 Acq On : 12 Jan 2021 17:39
 Operator : SY/MD
 Sample : M1077-01
 Misc : 5.69G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-03-011121-A

Quant Time: Jan 13 02:34:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:47:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

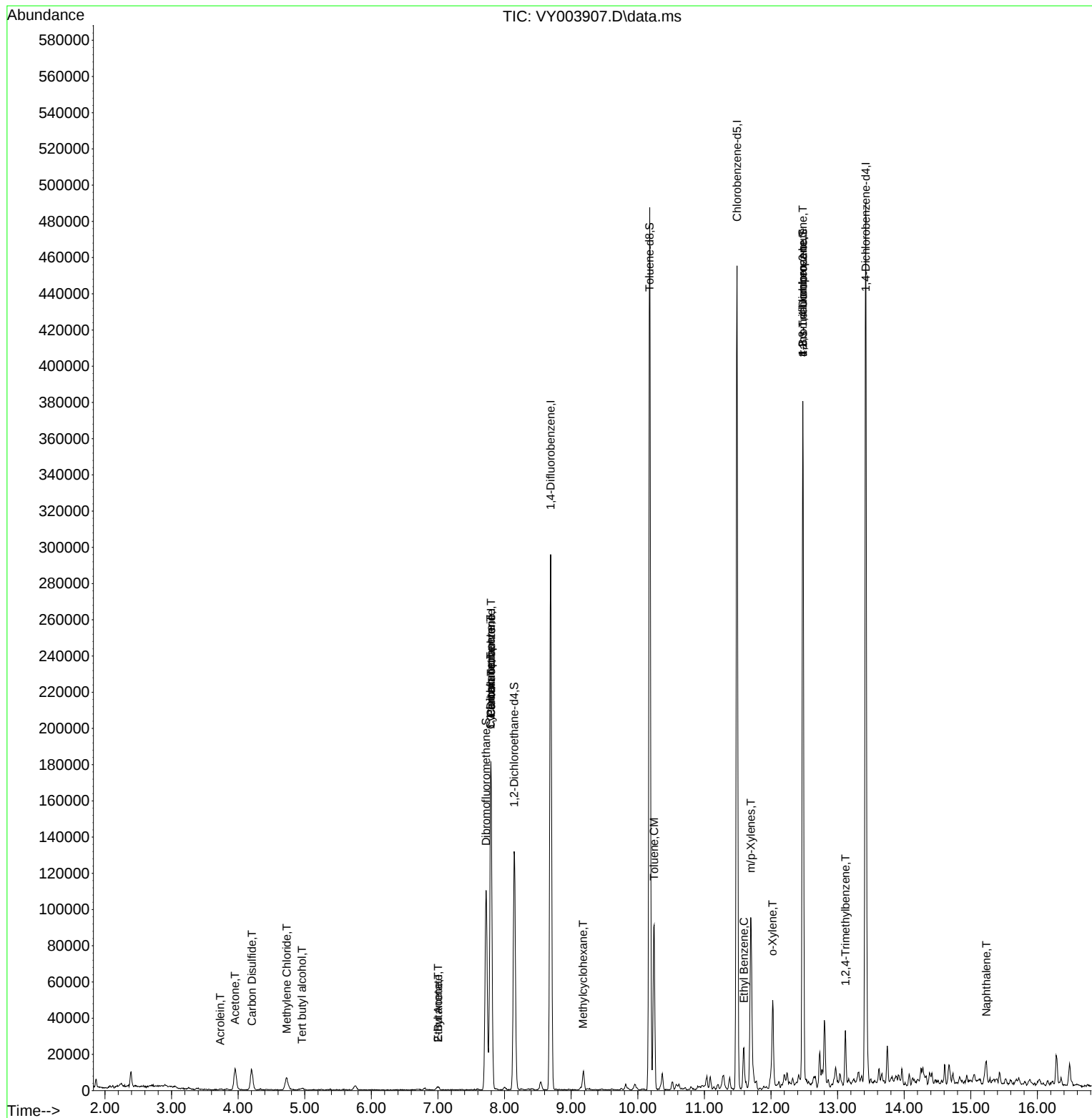
Internal Standards						
1) Pentafluorobenzene	7.795	168	135961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102707	48.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.26%		
35) Dibromofluoromethane	7.722	113	72334	38.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.58%		
50) Toluene-d8	10.179	98	291582	38.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.16%		
62) 4-Bromofluorobenzene	12.477	95	107476	38.94	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.88%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	517	Below Cal		89
11) Tert butyl alcohol	4.960	59	1544	7.03 ug/l #		77
13) Acrolein	3.729	56	281	1.34 ug/l #		72
16) Acetone	3.954	43	20248	38.77 ug/l		99
17) Carbon Disulfide	4.204	76	21100	3.93 ug/l		99
20) Methylene Chloride	4.729	84	4420	2.26 ug/l #		92
25) 2-Butanone	7.003	43	3495	4.30 ug/l		92
31) Cyclohexane	7.789	56	4498	1.27 ug/l #		65
36) 1,1-Dichloropropene	7.789	75	10855	3.47 ug/l #		48
37) Ethyl Acetate	7.003	43	3495	1.66 ug/l #		69
38) Carbon Tetrachloride	7.795	117	13391	4.05 ug/l #		15
39) Methylcyclohexane	9.179	83	3810	1.01 ug/l #		84
52) Toluene	10.246	92	34779	6.42 ug/l		97
67) Ethyl Benzene	11.593	91	13375	1.22 ug/l		96
68) m/p-Xylenes	11.697	106	23712	5.82 ug/l		96
69) o-Xylene	12.026	106	11080	2.90 ug/l		98
76) 1,2,3-Trichloropropane	12.477	75	61087	39.24 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	61087	74.49 ug/l #		3
84) 1,2,4-Trimethylbenzene	13.117	105	14304	1.61 ug/l		99
95) Naphthalene	15.233	128	9788	1.66 ug/l		98

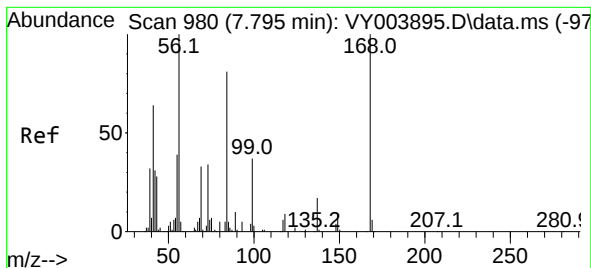
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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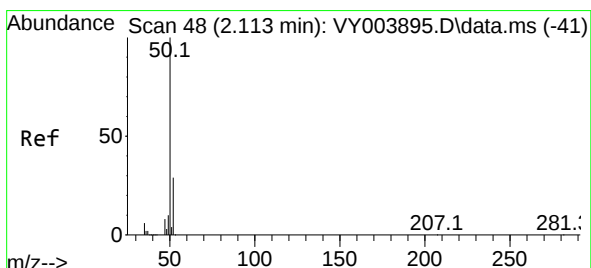
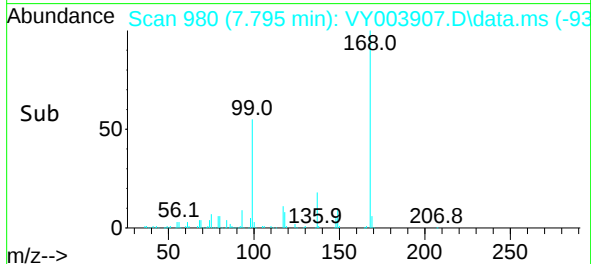
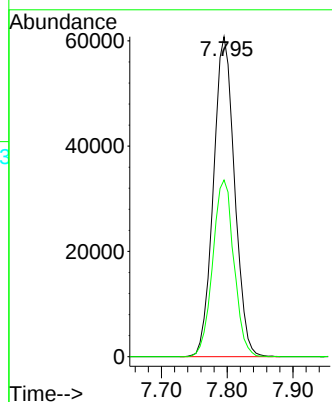
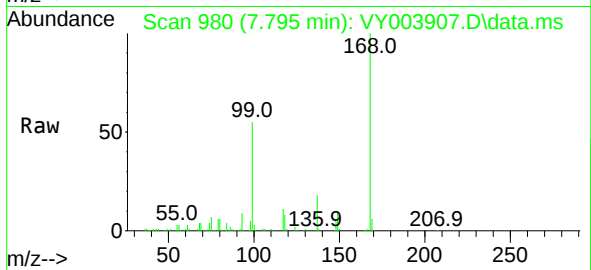




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

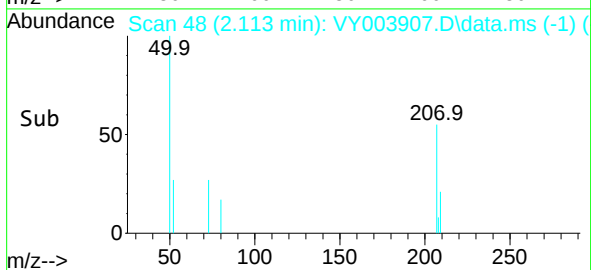
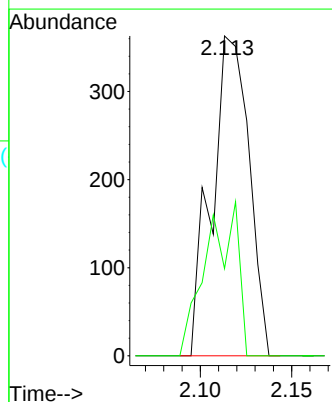
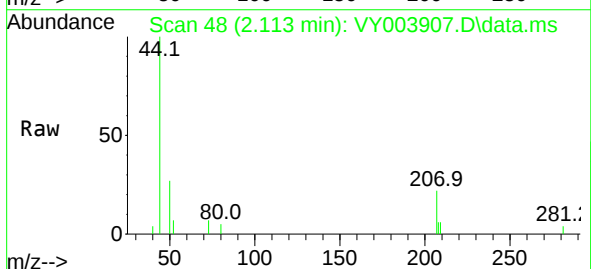
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

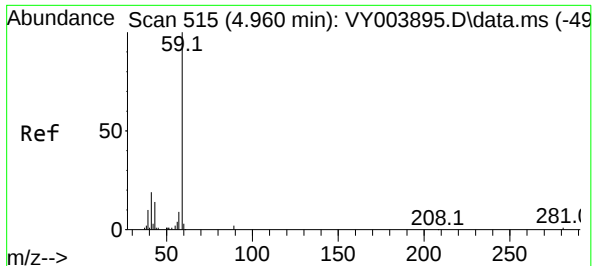
Tgt Ion:168 Resp: 135961
Ion Ratio Lower Upper
168 100
99 55.2 40.4 60.6



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 27.3 26.6 40.0



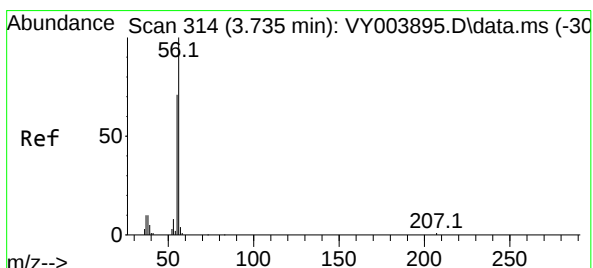
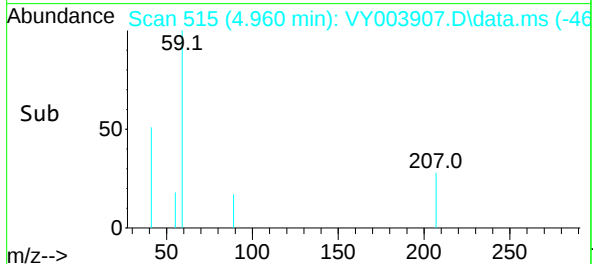
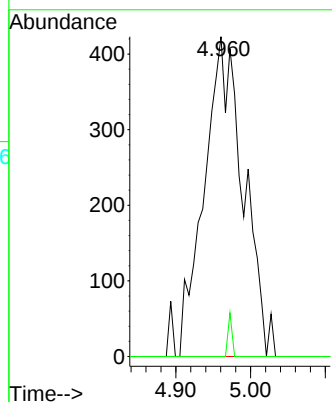
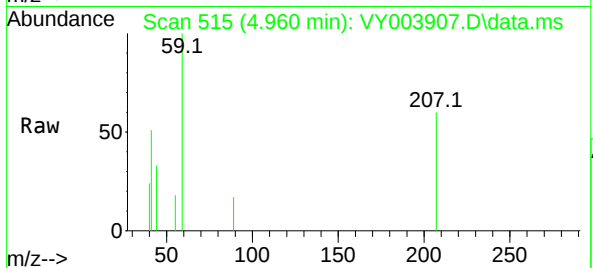


#11

Tert butyl alcohol
Concen: 7.03 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

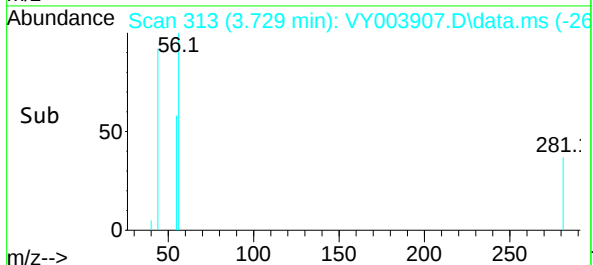
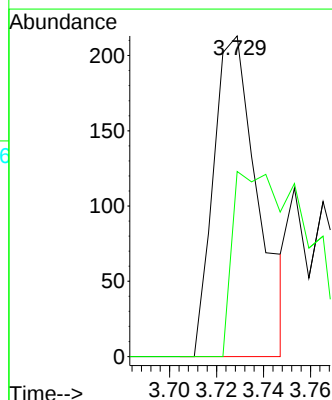
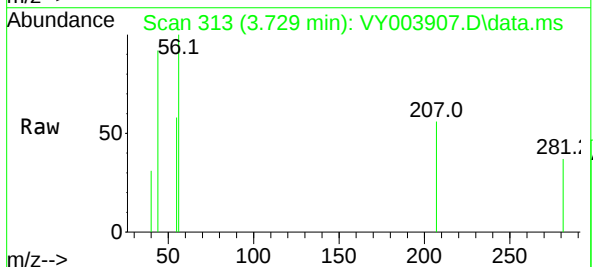
Tgt Ion: 59 Resp: 1544
Ion Ratio Lower Upper
59 100
57 1.4 7.9 11.9#

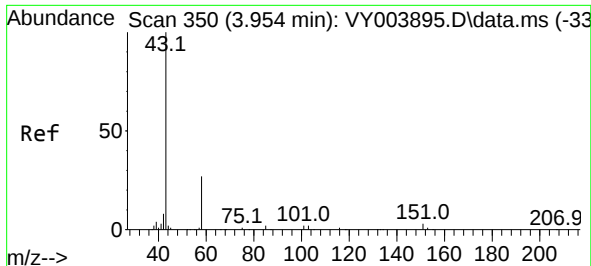


#13

Acrolein
Concen: 1.34 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

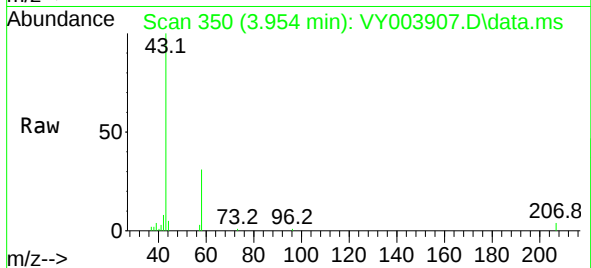
Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 94.0 56.5 84.7#



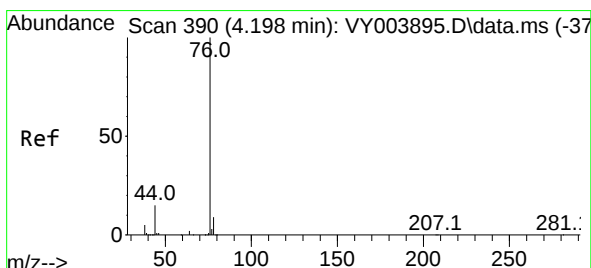
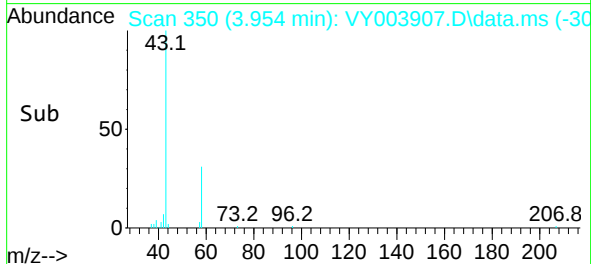
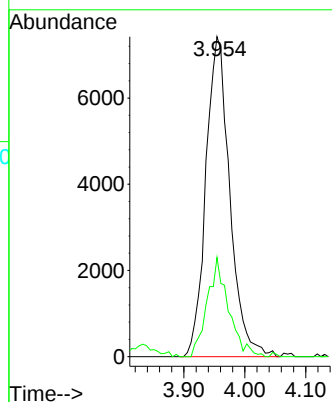


#16
Acetone
Concen: 38.77 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

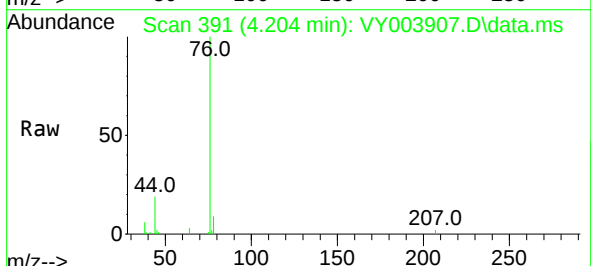
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A



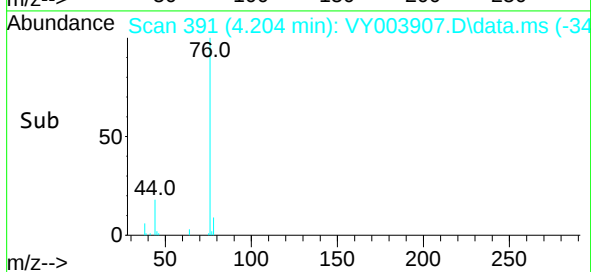
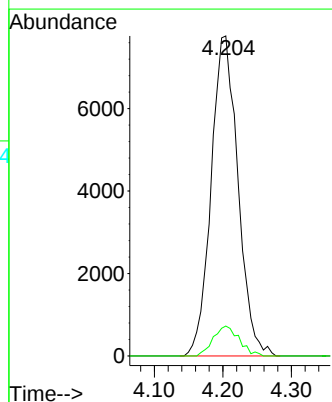
Tgt Ion: 43 Resp: 20248
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7

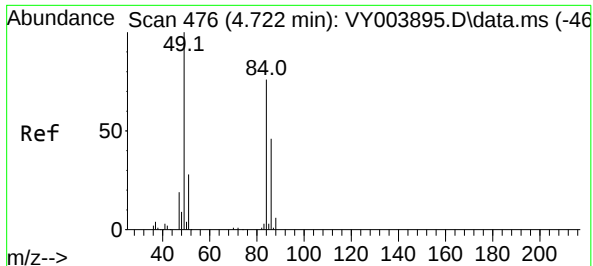


#17
Carbon Disulfide
Concen: 3.93 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39



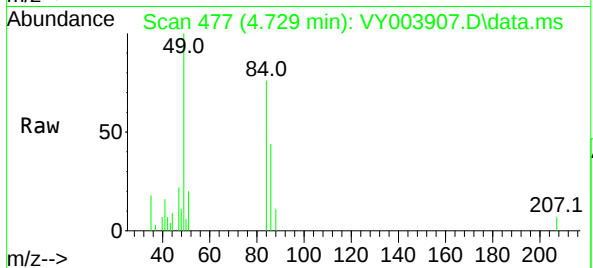
Tgt Ion: 76 Resp: 21100
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



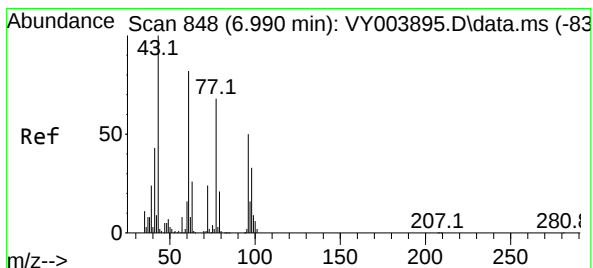
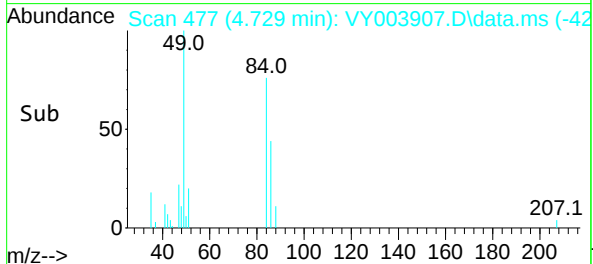
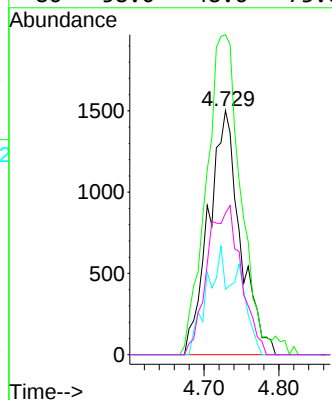


#20
Methylene Chloride
Concen: 2.26 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

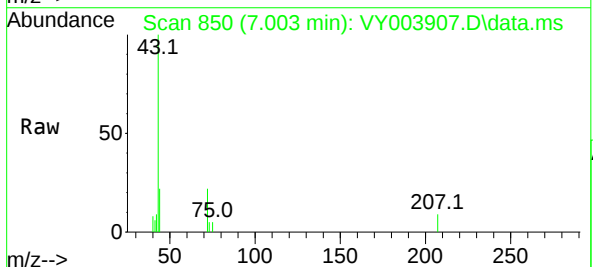
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A



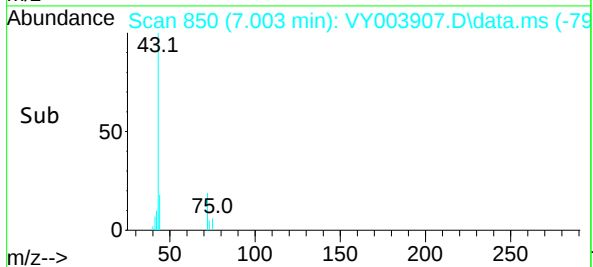
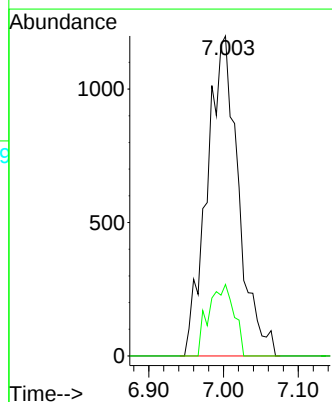
Tgt Ion:	84	Resp:	4420
Ion	Ratio	Lower	Upper
84	100		
49	131.1	98.0	147.0
51	26.8	30.5	45.7#
86	58.0	48.6	73.0

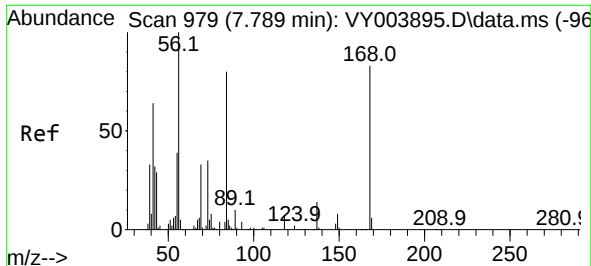


#25
2-Butanone
Concen: 4.30 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39



Tgt Ion:	43	Resp:	3495
Ion	Ratio	Lower	Upper
43	100		
72	22.4	21.0	31.6

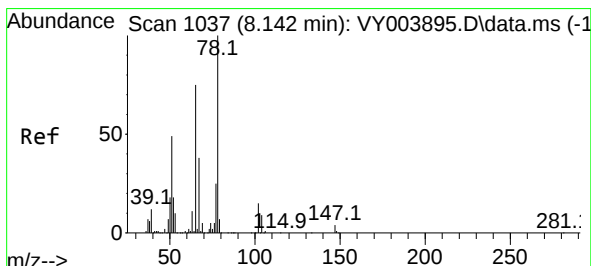
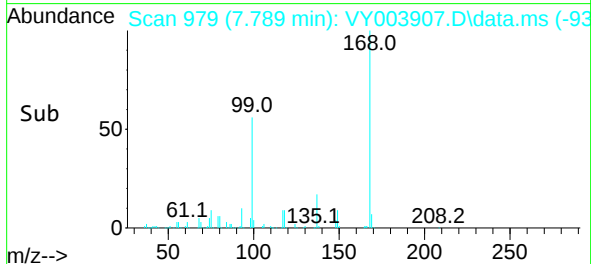
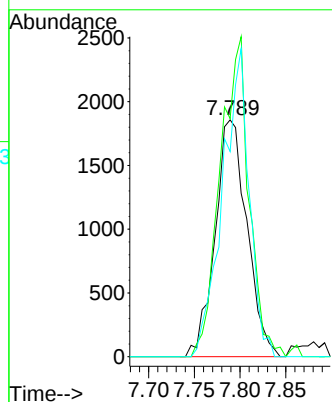
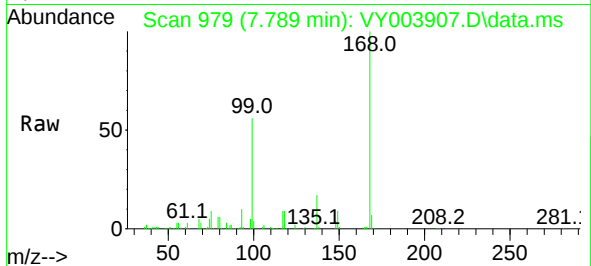




#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

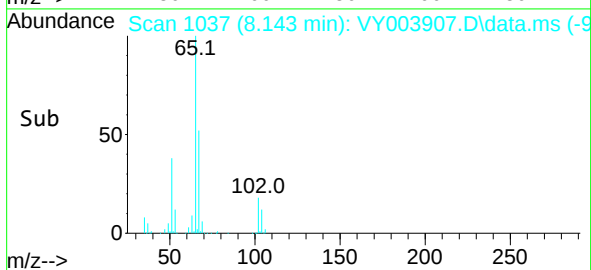
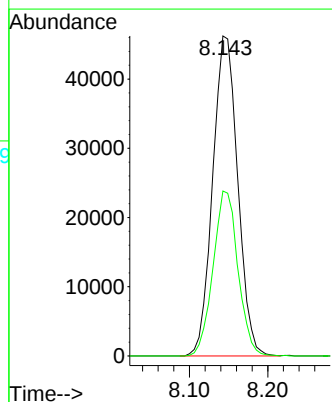
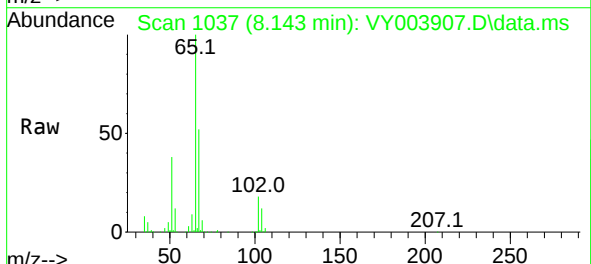
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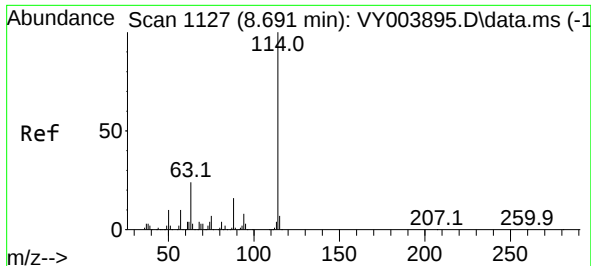
Tgt Ion: 56 Resp: 4498
Ion Ratio Lower Upper
56 100
69 100.5 26.2 39.2#
84 86.6 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 48.63 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 65 Resp: 102707
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.2

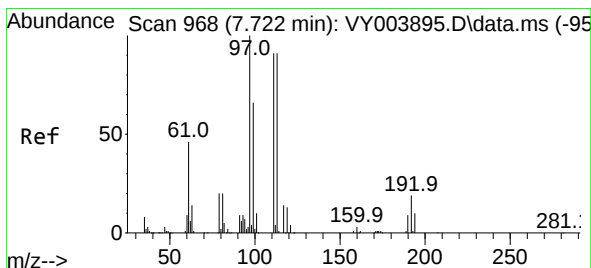
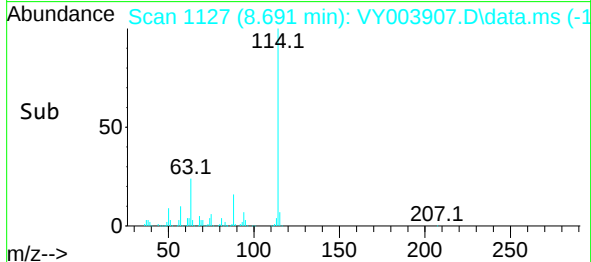
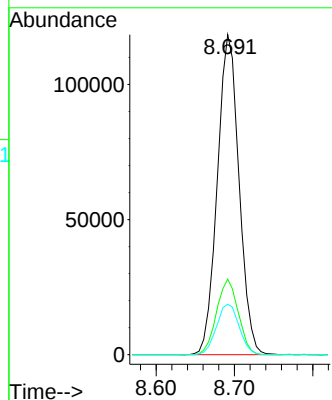
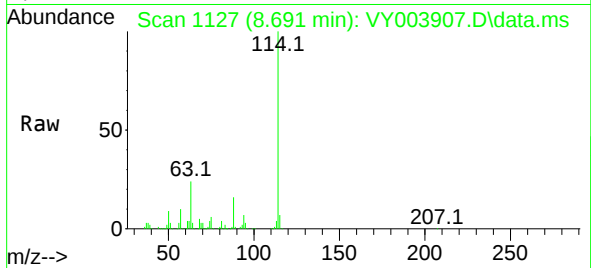




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

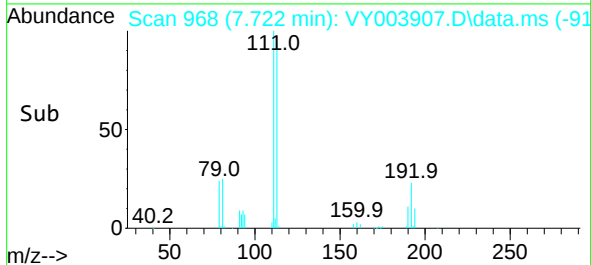
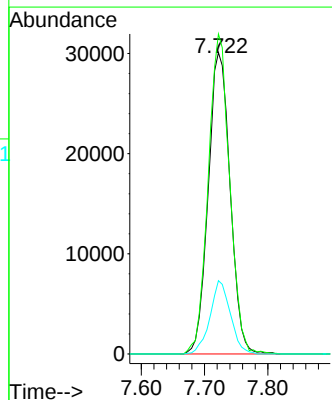
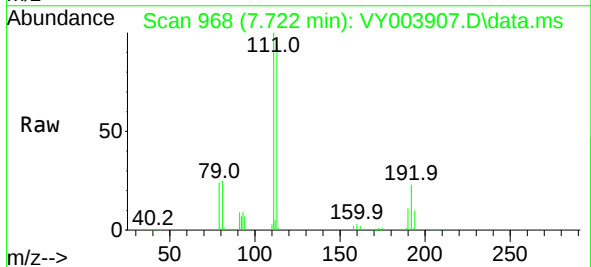
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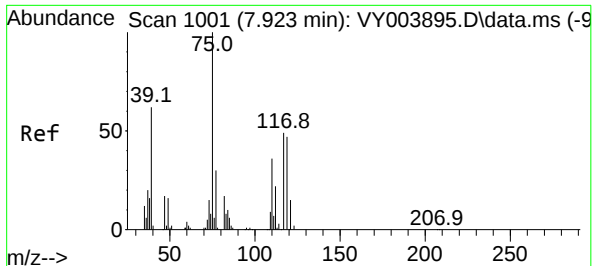
Tgt Ion:114 Resp: 228203
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.8
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 38.79 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion:113 Resp: 72334
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.6
192 22.6 19.8 29.6

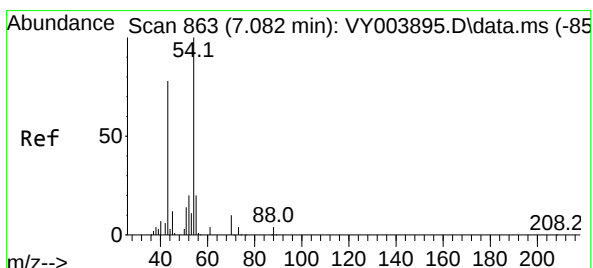
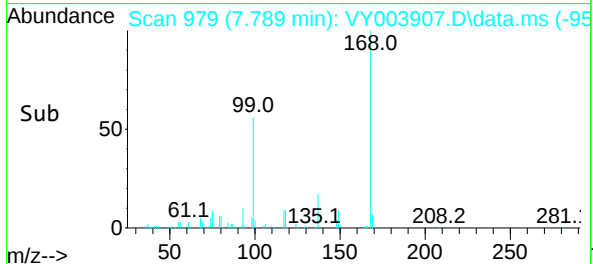
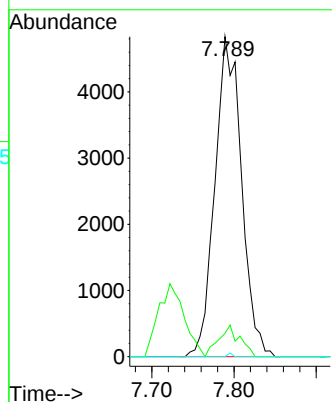
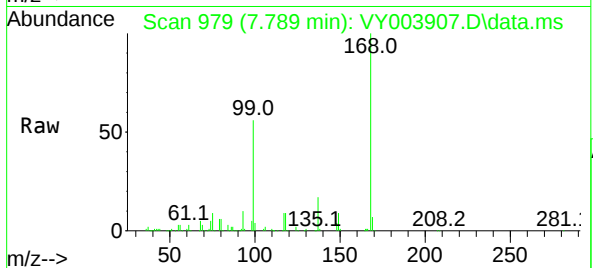




#36
1,1-Dichloropropene
Concen: 3.47 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

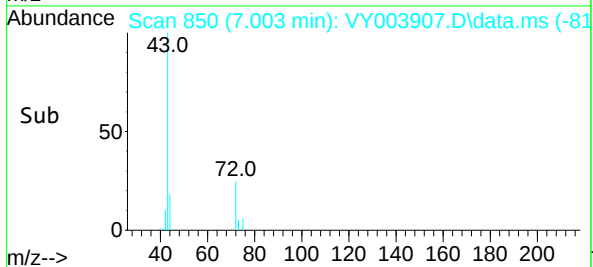
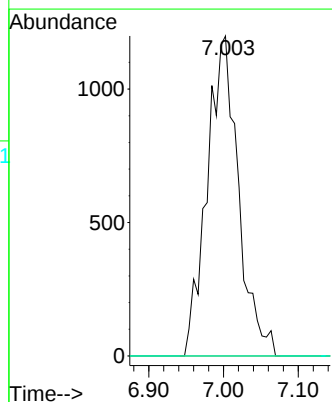
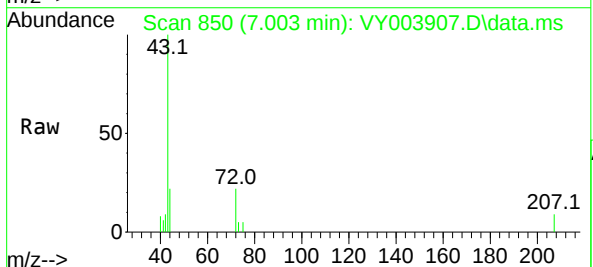
Instrument :
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JC-03-011121-A

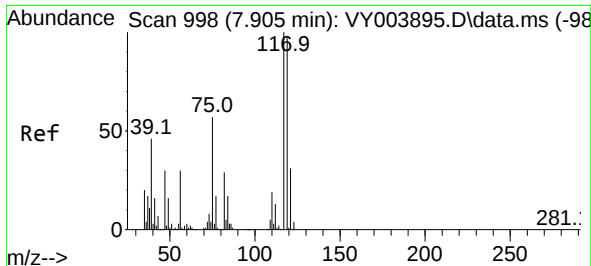
Tgt Ion: 75 Resp: 10855
Ion Ratio Lower Upper
75 100
110 7.8 17.7 53.1#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.66 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.4 12.6#

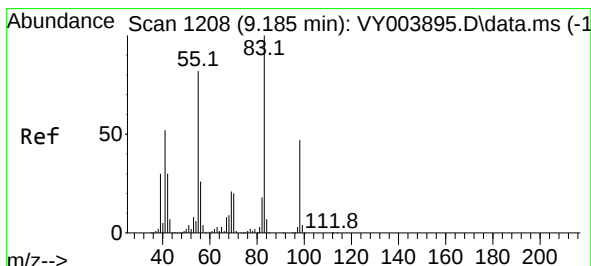
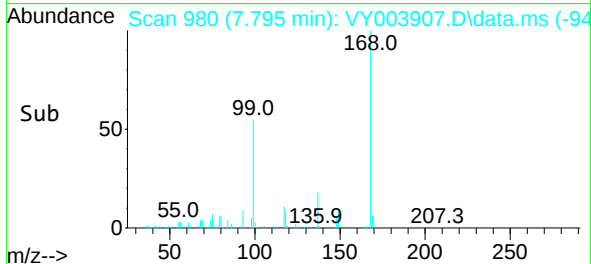
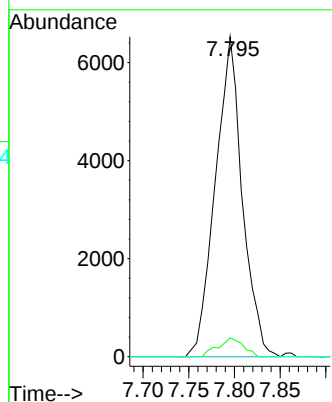
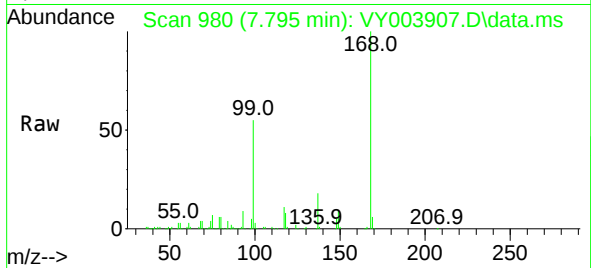




#38
Carbon Tetrachloride
Concen: 4.05 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

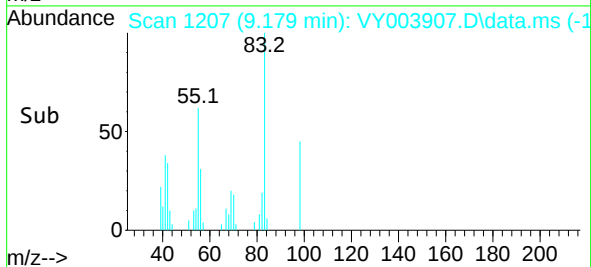
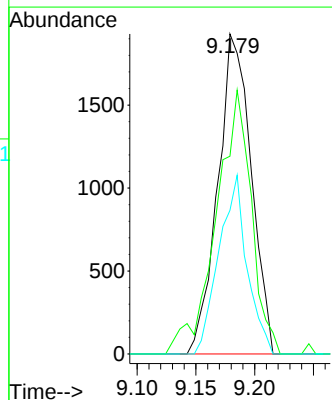
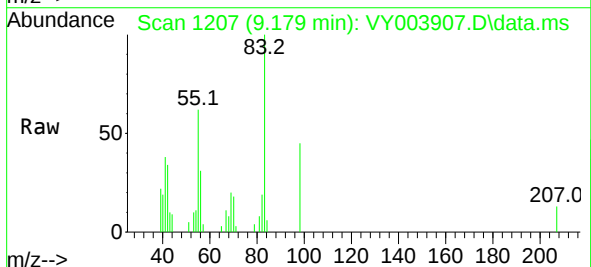
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

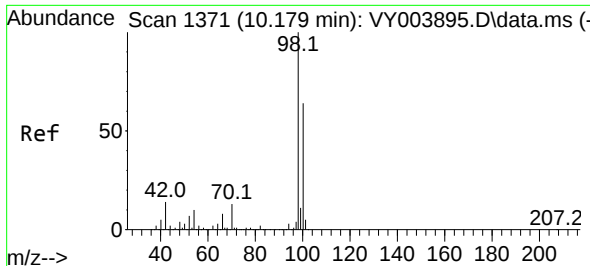
Tgt Ion:117 Resp: 13391
Ion Ratio Lower Upper
117 100
119 5.9 78.6 118.0#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.01 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 83 Resp: 3810
Ion Ratio Lower Upper
83 100
55 61.8 63.9 95.9#
98 44.9 40.2 60.2

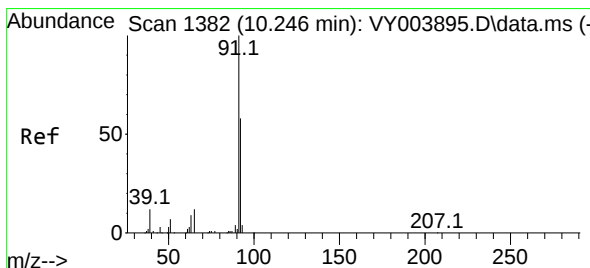
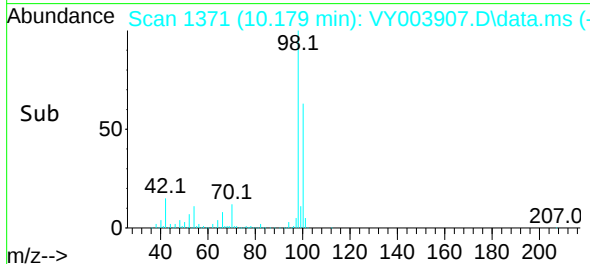
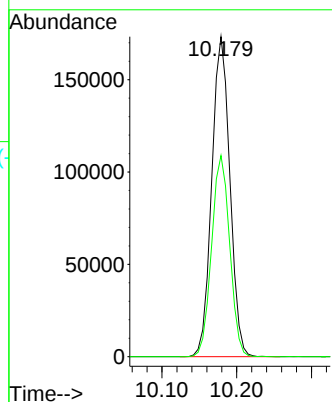
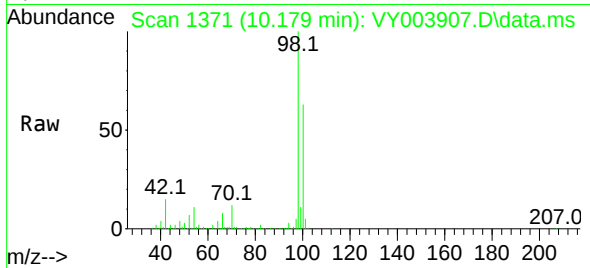




#50
Toluene-d8
Concen: 38.58 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

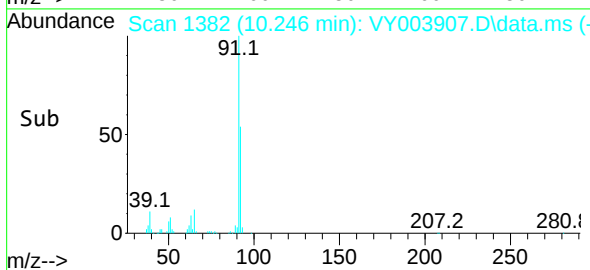
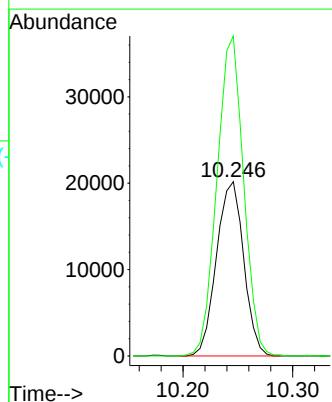
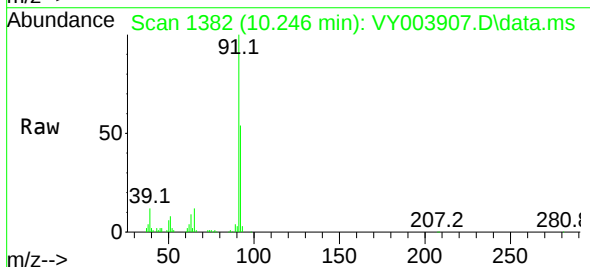
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

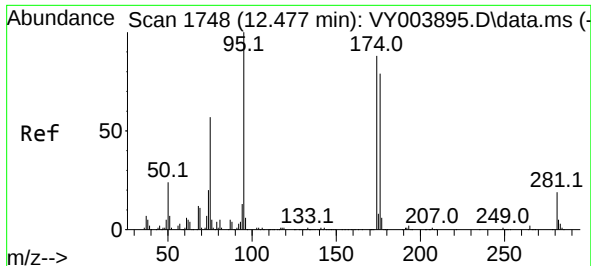
Tgt Ion: 98 Resp: 291582
Ion Ratio Lower Upper
98 100
100 62.7 51.4 77.0



#52
Toluene
Concen: 6.42 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 92 Resp: 34779
Ion Ratio Lower Upper
92 100
91 180.0 140.7 211.1

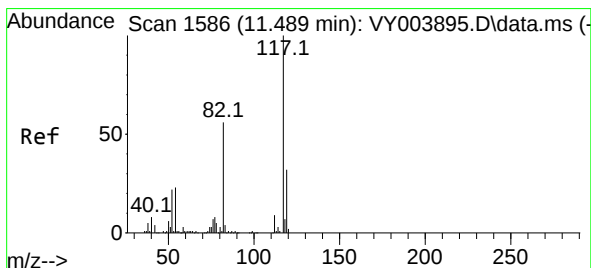
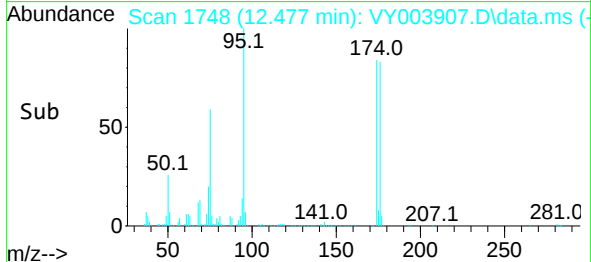
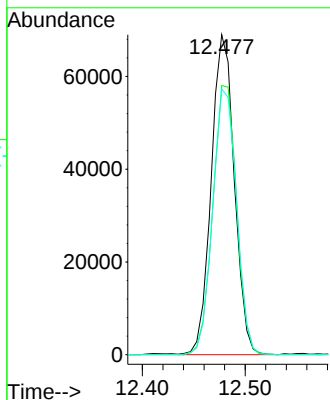
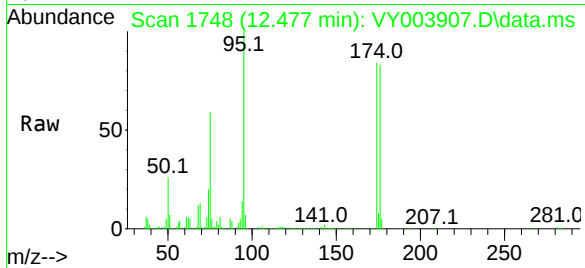




#62
4-Bromofluorobenzene
Concen: 38.94 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

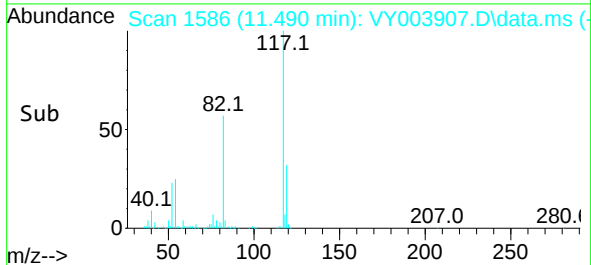
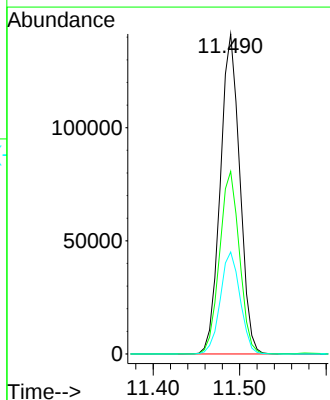
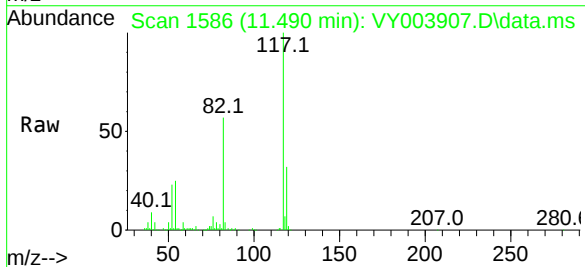
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

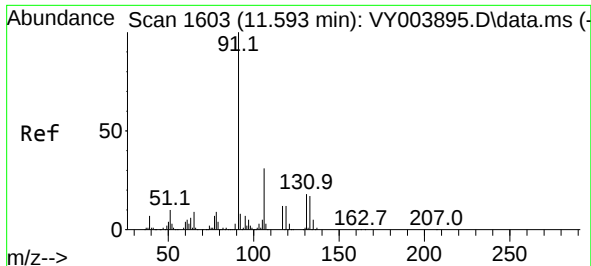
Tgt Ion: 95 Resp: 107476
Ion Ratio Lower Upper
95 100
174 86.7 0.0 193.2
176 85.7 0.0 187.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 117 Resp: 220766
Ion Ratio Lower Upper
117 100
82 57.0 43.9 65.9
119 31.8 26.2 39.4

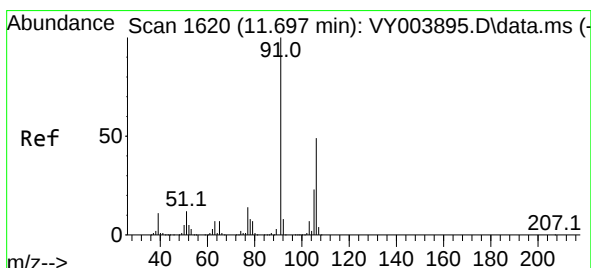
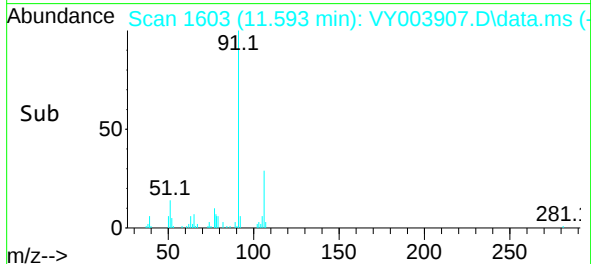
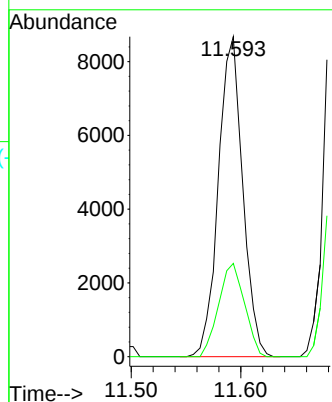
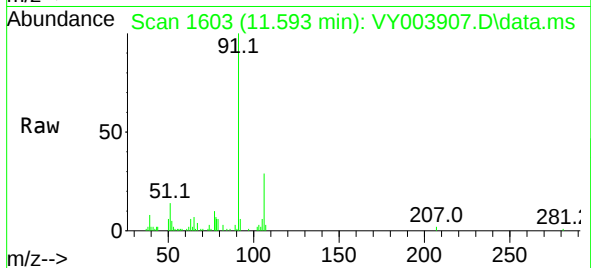




#67
Ethyl Benzene
Concen: 1.22 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

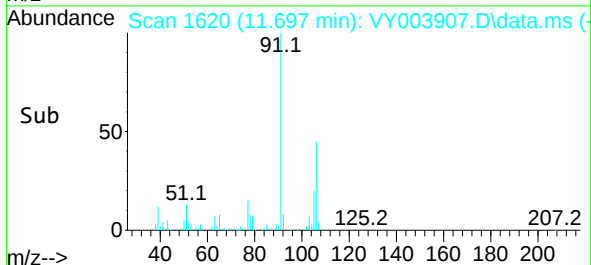
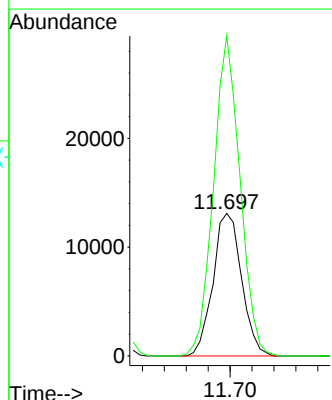
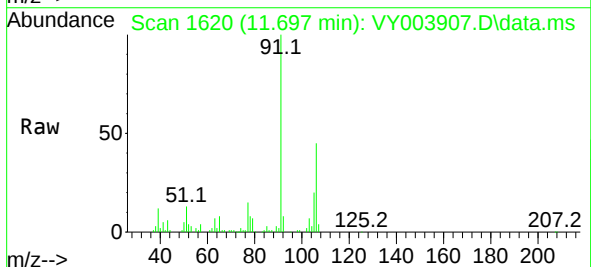
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

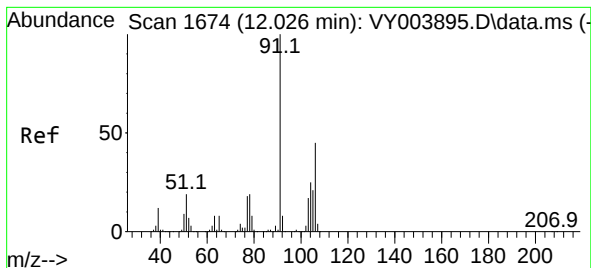
Tgt Ion: 91 Resp: 13375
Ion Ratio Lower Upper
91 100
106 29.2 25.0 37.4



#68
m/p-Xylenes
Concen: 5.82 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 106 Resp: 23712
Ion Ratio Lower Upper
106 100
91 208.5 162.2 243.4





#69

o-Xylene

Concen: 2.90 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. 0.000 min

Lab File: VY003907.D

Acq: 12 Jan 2021 17:39

Tgt Ion:106 Resp: 11080

Ion Ratio Lower Upper

106 100

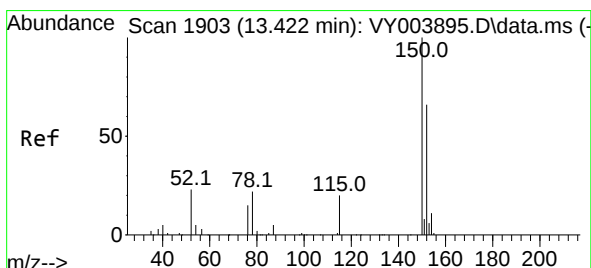
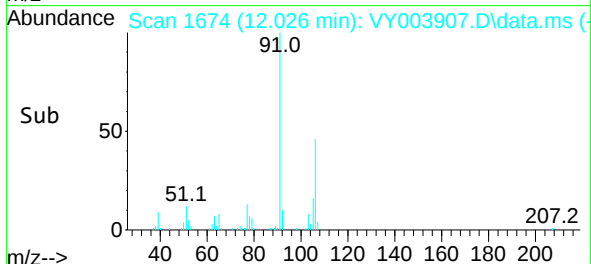
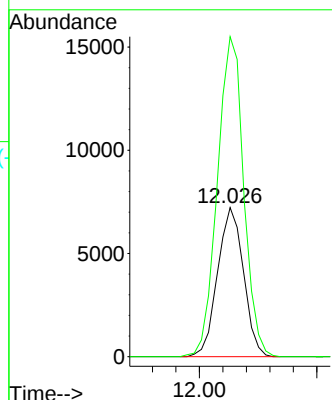
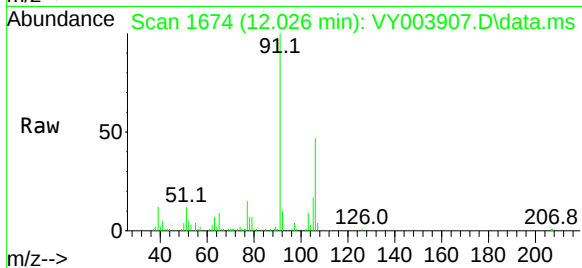
91 217.7 107.6 322.8

Instrument :

MSVOA_Y

ClientSampleId :

JC-03-011121-A



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY003907.D

Acq: 12 Jan 2021 17:39

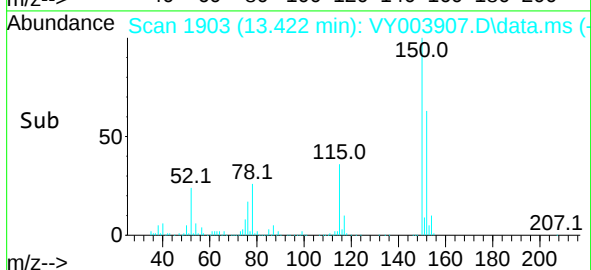
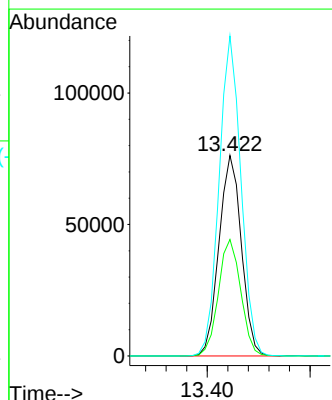
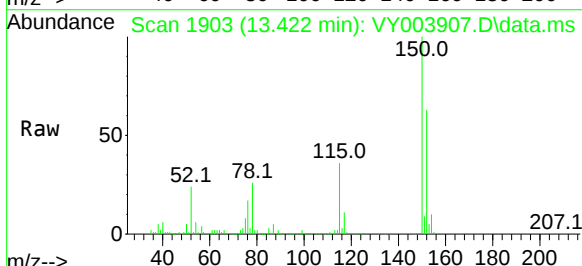
Tgt Ion:152 Resp: 115138

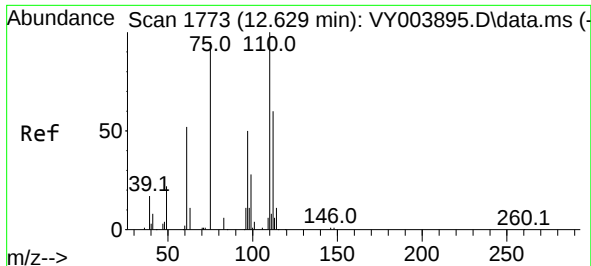
Ion Ratio Lower Upper

152 100

115 58.1 27.9 83.7

150 155.9 0.0 356.4

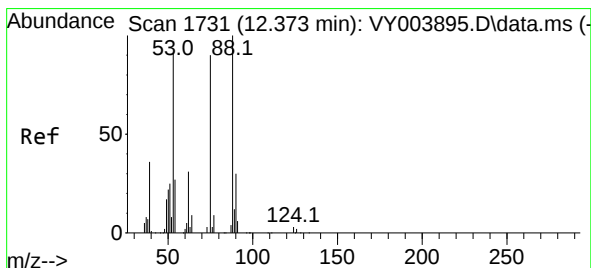
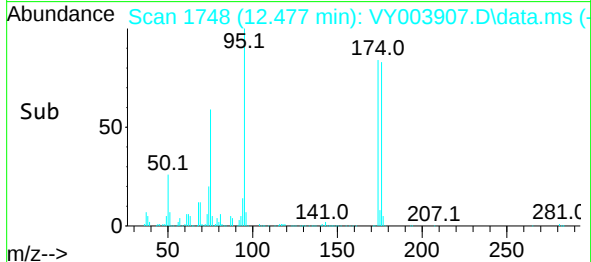
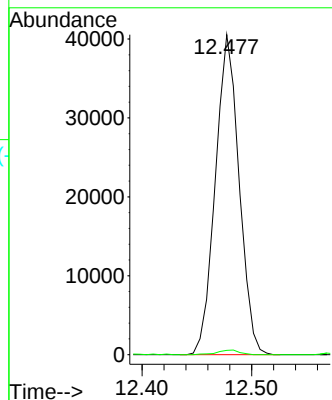
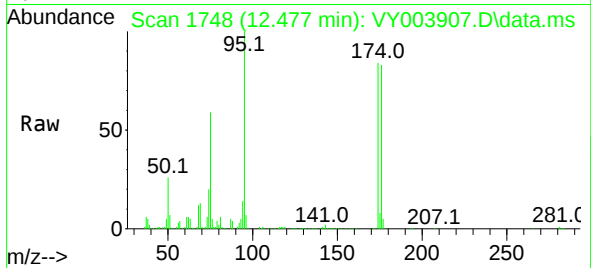




#76
1,2,3-Trichloropropane
Concen: 39.24 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

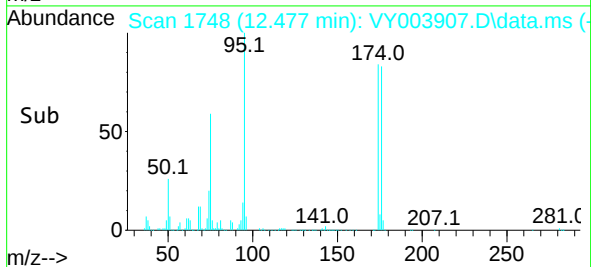
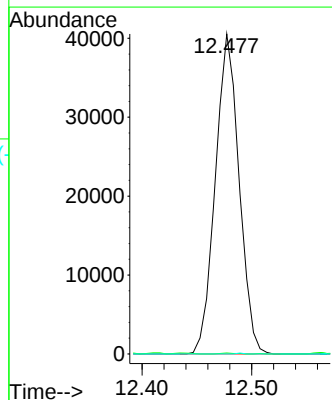
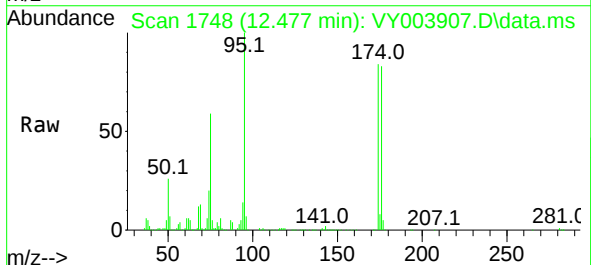
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

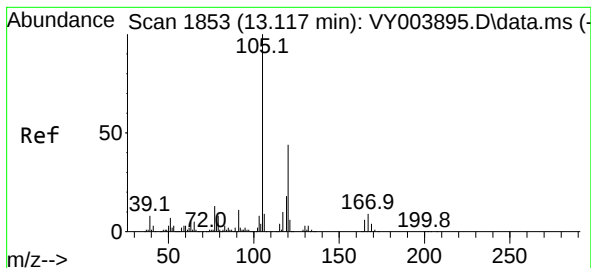
Tgt Ion: 75 Resp: 61087
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.49 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion: 75 Resp: 61087
Ion Ratio Lower Upper
75 100
53 0.2 75.0 112.6#
89 0.1 0.0 0.0#

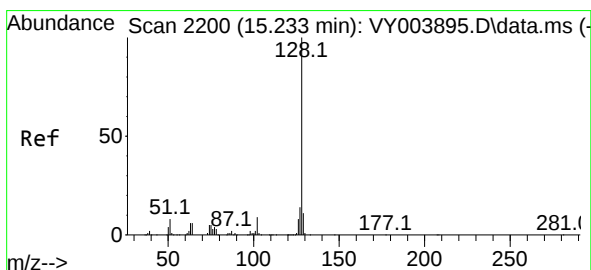
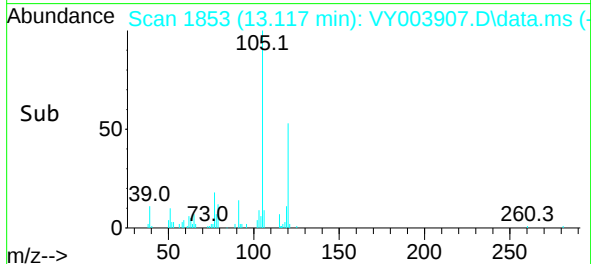
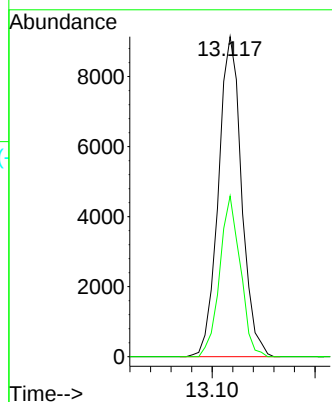
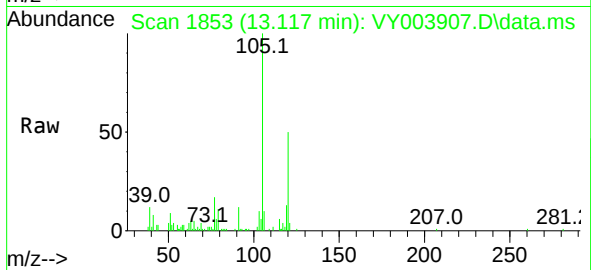




#84
1,2,4-Trimethylbenzene
Concen: 1.61 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Instrument :
MSVOA_Y
ClientSampleId :
JC-03-011121-A

Tgt Ion:105 Resp: 14304
Ion Ratio Lower Upper
105 100
120 44.7 22.9 68.5



#95
Naphthalene
Concen: 1.66 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY003907.D
Acq: 12 Jan 2021 17:39

Tgt Ion:128 Resp: 9788
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 12.4 8.7 13.1

